

Voltage Controlled Oscillator

ROS-ED9787/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4			
0.2	11.55	811.8	810.0	807.6	-1.11	-0.24	0.09	-29.4	-37.1	-37.3	0.08	1	-92
0.4	11.00	814.0	812.2	809.8	-1.08	-0.21	0.12	-29.9	-36.4	-37.4	0.12	10	-116
0.6	10.65	816.1	814.3	811.9	-1.05	-0.18	0.15	-30.3	-36.0	-37.2	0.16	100	-136
0.8	10.70	818.3	816.4	814.1	-1.02	-0.16	0.18	-30.8	-36.1	-37.9	0.16	1000	-154
1.0	10.70	820.4	818.6	816.2	-1.00	-0.12	0.20	-31.1	-35.7	-37.8	0.18		
1.2	11.05	822.7	820.8	818.3	-0.95	-0.10	0.25	-31.9	-34.9	-38.4	0.20		
1.4	11.45	825.0	823.1	820.6	-0.93	-0.05	0.27	-32.5	-35.3	-39.0	0.22		
1.6	11.90	827.5	825.5	822.9	-0.90	-0.02	0.31	-33.0	-34.8	-38.7	0.22		
1.8	12.25	830.0	827.9	825.3	-0.84	0.03	0.33	-34.2	-34.5	-38.6	0.20		
2.0	12.80	832.6	830.5	827.8	-0.78	0.06	0.38	-35.0	-34.4	-39.5	0.18		
2.2	13.16	835.3	833.1	830.4	-0.73	0.13	0.41	-35.4	-34.0	-39.9	0.15		
2.4	13.35	838.0	835.8	833.0	-0.65	0.18	0.47	-36.9	-33.7	-41.0	0.08		
2.6	13.59	840.8	838.5	835.7	-0.58	0.26	0.52	-37.3	-33.1	-41.1	0.02		
2.8	13.55	843.5	841.2	838.4	-0.49	0.33	0.60	-38.5	-33.1	-40.8	0.06		
3.0	13.40	846.2	843.9	841.1	-0.41	0.41	0.66	-39.7	-33.3	-41.6	0.15		
3.2	13.13	848.8	846.5	843.7	-0.32	0.49	0.74	-40.7	-33.0	-42.0	0.22		
3.4	12.80	851.4	849.1	846.3	-0.23	0.56	0.81	-41.7	-32.8	-42.2	0.29		
3.6	12.34	853.9	851.5	848.7	-0.15	0.64	0.88	-40.9	-32.6	-42.2	0.36		
3.8	11.79	856.2	853.9	851.1	-0.07	0.72	0.95	-40.3	-32.7	-42.5	0.40		
4.0	11.03	858.4	856.1	853.3	0.00	0.79	1.02	-41.0	-32.9	-42.1	0.44		
4.2	10.38	860.5	858.2	855.4	0.07	0.87	1.09	-40.1	-32.6	-41.5	0.48		
4.4	9.58	862.4	860.1	857.3	0.13	0.93	1.14	-39.7	-32.4	-41.8	0.50		
4.6	8.72	864.1	861.8	859.1	0.18	0.98	1.19	-39.4	-32.2	-42.7	0.51		
4.8	7.94	865.7	863.4	860.7	0.23	1.02	1.23	-38.4	-32.1	-41.7	0.48		
5.0	7.11	867.1	864.8	862.2	0.27	1.06	1.27	-38.0	-32.4	-41.9	0.42		
5.2	6.34	868.3	866.1	863.4	0.29	1.09	1.29	-37.5	-32.3	-41.9	0.38		
5.4	5.56	869.4	867.2	864.5	0.31	1.12	1.32	-37.0	-32.3	-41.7	0.29		
5.6	4.91	870.4	868.2	865.5	0.33	1.13	1.34	-37.2	-32.1	-41.7	0.22		
5.8	4.19	871.2	869.0	866.4	0.34	1.14	1.35	-36.9	-31.9	-42.4	0.11		
6.0	3.64	871.9	869.8	867.1	0.35	1.16	1.36	-36.7	-32.1	-42.8	0.00		
6.2	3.10	872.5	870.4	867.7	0.36	1.16	1.36	-36.7	-31.6	-42.0	0.09		
6.4	2.70	873.0	870.9	868.3	0.36	1.17	1.37	-36.5	-31.9	-42.7	0.17		
6.6	2.25	873.4	871.4	868.7	0.36	1.17	1.38	-36.3	-31.8	-42.3	0.27		
6.8	1.94	873.8	871.8	869.1	0.36	1.18	1.38	-36.0	-31.9	-42.0	0.33		
7.0	1.66	874.1	872.1	869.5	0.36	1.18	1.38	-35.8	-31.7	-42.8	0.40		
7.2	1.48	874.4	872.4	869.8	0.37	1.18	1.39	-35.8	-31.6	-42.9	0.44		
7.4	1.27	874.6	872.7	870.0	0.37	1.18	1.39	-36.0	-31.7	-42.1	0.49		
7.6	1.10	874.9	872.9	870.3	0.37	1.18	1.39	-35.5	-31.7	-42.7	0.51		
7.8	0.99	875.0	873.1	870.5	0.37	1.18	1.39	-35.9	-31.6	-42.7	0.55		
8.0	0.95	875.2	873.3	870.6	0.37	1.18	1.39	-35.6	-31.5	-42.3	0.55		